# STEM Occupations STEM Occupations

	Occupation	2022	2032	2022-20	32	2023 Wages		А	nnual Oper	nings	Educa	ation, Experience, and	d Training	Applied W	Vorkkeys Ass Vorkplace Ocuments	Graphic
N_N_L SOC Code	Title	Estimated Employment	Projected Employment		Percent Entry	Mean Median	Experienced	Exits Tra	ansfers G	rowth	Total Typical Education Required	Typical Experience Required	e Typical Job Training			Median
LATER 11-3021 Computer and Infor		8,774 1,880	10,277 1,982	•		60 \$145,360 \$136,130 10 \$152,420 \$147,430		186	422 82		758 Bachelor's Degree 130 Bachelor's Degree	5 years or more 5 years or more		5 7	5 7	5
LATER 11-9121 Natural Sciences M	anagers	1,087	1,213	126 1	1.59% \$62,84	0 \$128,640 \$121,670	\$156,990	28	52	13	93 Bachelor's Degree	5 years or more	None	6	5	4
LATER 15-1211 Computer Systems LATER 15-1212 Information Security	y Analysts	9,225 3,465	10,169 4,642	1,177 3	3.97% \$81,50	0 \$97,650 \$96,660 0 \$102,320 \$96,800	\$121,580 \$125,110	88	322 149		659 Bachelor's Degree 355 Bachelor's Degree	None less than 5 years		5 5	4 6	4 6
LATER 15-1221 Computer and Infor NEXT 15-1231 Computer Network		538 4,620	713 5,061		. ,	0 \$133,200 \$108,380 0 \$68,790 \$56,600	\$155,550 \$76,660		24 199	18 44	<ul><li>57 Master's Degree</li><li>362 Associate Degree</li></ul>	None None	None Moderate-term on-the-job training	7 5	5 5	4 4
NEXT 15-1232 Computer User Sup	pport Specialists	14,751	15,820	1,069	7.25% \$41,60	0 \$57,600 \$51,720	\$67,450	375	628	107 1	1,110 Some College, no Degree	None	Moderate-term on-the-job training	4	4	4
LATER 15-1241 Computer Network LATER 15-1242 Database Administr	rators	4,150 2,076	4,451 2,272	196	9.44% \$56,94	0 \$115,800 \$109,760 0 \$90,660 \$81,630	\$121,400	55	147 70	20	<ul><li>255 Bachelor's Degree</li><li>145 Bachelor's Degree</li></ul>	5 years or more None	None None	<del>4</del> 5	5 4	5 5
LATER 15-1243 Database Architects LATER 15-1244 Network and Comp		2,033 6,966	2,304 7,289		. ,	0 \$106,560 \$102,810 0 \$89,080 \$82,530	\$131,940 \$111,800		70 248		<ul><li>152 Bachelor's Degree</li><li>426 Bachelor's Degree</li></ul>	less than 5 years None	None None	4 5	5 5	5 4
_ATER 15-1251 Computer Program _ATER 15-1252 Software Developer	mers	3,536	3,277	-259 -	7.32% \$37,00	0 \$75,010 \$72,330 0 \$107.980 \$104.600	\$101,200	84	121	-26	179 Bachelor's Degree 1,686 Bachelor's Degree	None None	None None	5	5	5
LATER 15-1253 Software Quality As		19,531 3,403	24,693 4,199	796 2	3.39% \$54,14	0 \$76,900 \$73,910	\$98,840		136	80	312 Bachelor's Degree	None	None	4	<del>4</del> 5	5
LATER 15-1254 Web Developers LATER 15-1255 Web and Digital Int	erface Designers	2,120 1,925	2,555 2,183		. ,	0 \$81,130 \$68,430 0 \$76,230 \$72,130	\$100,150 \$99,370	46 57	98 87	44 26	<ul><li>188 Bachelor's Degree</li><li>170 Bachelor's Degree</li></ul>	None None	None None	5 5	5 5	6 6
ATER 15-1299 Computer Occupat ATER 15-2011 Actuaries	<u> </u>	8,983 703	9,820 878	837 9	9.32% \$68,07	0 \$97,140 \$89,680 0 \$120,680 \$106,840	\$116,560 \$141,390		354 24		666 Bachelor's Degree 55 Bachelor's Degree	None None	None Long-term on-the-job training	4	5	5 7
ATER 15-2031 Operations Research	ch Analysts	3,242	4,091		6.19% \$46,44	0 \$63,640 \$53,600	\$72,120	105	114	85	304 Bachelor's Degree	None	None	7	7	7
ATER 15-2041 Statisticians ATER 15-2051 Data Scientists		n/a 4,324	n/a 5,951	n/a 1,627 3		0 \$74,870 \$59,620 0 \$88,210 \$81,410	\$93,430 \$106,410		n/a 187		n/a Master's Degree 467 Bachelor's Degree	None None	None None	7 7	7 7	7 6
ATER 15-2099 Mathematical Scien ATER 17-1011 Architects, Except L	1 '	n/a 2,593	n/a 2,833	n/a 240 9	n/a n/a 9.26% \$63,54	n/a n/a 0 \$86,600 \$81,170	n/a \$102,030				n/a Bachelor's Degree 187 Bachelor's Degree	None None	None Intership/residency	7 7	7 7	6 6
ATER 17-1012 Landscape Architec	ets	218	223	5 2	2.29% \$51,82	0 \$65,070 \$56,910	\$81,950	8	9	0	17 Bachelor's Degree	None	Intership/residency	6	5	6
ATER 17-1021 Cartographers and ATER 17-1022 Surveyors	Photogrammetrists	189 1,310	202 1,424	13 6 114 8	5.88% \$52,34 3.70% \$38,33	0 \$70,480 \$69,100 0 \$55,920 \$50,010	\$87,180 \$68,300	6 42	6 43	1 11	<ul><li>13 Bachelor's Degree</li><li>96 Bachelor's Degree</li></ul>	None None	None Intership/residency	4 5	5 5	6 5
ATER 17-2011 Aerospace Enginee ATER 17-2021 Agricultural Engine		n/a	n/a n/a	n/a n/a	n/a n/a n/a n/a	n/a n/a n/a n/a	n/a n/a				n/a Bachelor's Degree n/a Bachelor's Degree	None None	None None	7 7	6	7 7
ATER 17-2031 Bioengineers and E	iomedical Engineers	n/a	n/a	n/a	n/a \$70,70	0 \$73,380 \$70,700	\$77,640			n/a	n/a Bachelor's Degree	None	None	7	6	7
ATER 17-2041 Chemical Engineer ATER 17-2051 Civil Engineers	S	304 5.010	331 5,423	27 8 413 8	. ,	0 \$109,000 \$99,450 0 \$93,110 \$82,930	\$126,890 \$105,360	7 112	10 193		<ul><li>20 Bachelor's Degree</li><li>346 Bachelor's Degree</li></ul>	None None	None None	7 6	6 6	7 6
ATER 17-2061 Computer Hardward ATER 17-2071 Electrical Engineers		1,505	1,636	131 8	3.70% \$58,60	0 \$90,830 \$87,480	\$115,520	30	54 73		97 Bachelor's Degree	None None	None None	7	6	6
ATER 17-2072 Electronics Enginee	ers, Except Computer	2,395 2,841	2,527 2,981	140	4.93% \$84,03	0 \$103,690 \$99,530 0 \$119,420 \$107,880	. ,	67	86	14	<ul><li>143 Bachelor's Degree</li><li>167 Bachelor's Degree</li></ul>	None	None	7	6	6
ATER 17-2081 Environmental Eng ATER 17-2111 Health and Safety I	ineers Engineers, Except Mining Safety Engineers and Inspectors	562 763	636 843		3.17% \$48,83 0.48% n/a	0 \$77,220 \$68,540 n/a n/a	\$103,680 n/a	18 20	20 24	7 8	<ul><li>45 Bachelor's Degree</li><li>52 Bachelor's Degree</li></ul>	None None	None None	7 4	6 4	6 6
ATER 17-2112 Industrial Engineers	S	4,925	5,748	823 1	6.71% \$76,06	0 \$99,270 \$92,120	\$117,810	130	162	82	374 Bachelor's Degree	None	None	5	6	6
ATER 17-2121 Marine Engineers a ATER 17-2131 Materials Engineers	8	n/a 322	n/a 367		. ,	n/a n/a 0 \$107,090 \$104,830	n/a \$138,420	n/a 10	n/a 11	4	n/a Bachelor's Degree 25 Bachelor's Degree	None None	None None	6	6	6
ATER 17-2141 Mechanical Engine ATER 17-2151 Mining and Geologi	ers ical Engineers, Including Mining Safety Engineers	3,080 63	3,415 67		0.88% \$74,08 6.35% \$79,61	0 \$90,980 \$82,700 0 \$103,430 \$95,260	\$102,490 \$142,200	72 1	104 2	34 0	<ul><li>210 Bachelor's Degree</li><li>3 Bachelor's Degree</li></ul>	None None	None None	6 6	6 6	6 6
ATER 17-2161 Nuclear Engineers		194	198	4 2		0 \$113,430 \$124,160	\$124,160	5	6	0	11 Bachelor's Degree	None	None	7	6	6
ATER 17-2171 Petroleum Enginee ATER 17-2199 Engineers, All Othe	er	n/a 1,767	n/a 1,867			n/a n/a 0 \$100,160 \$95,980	n/a \$117,060	43	59	10	n/a Bachelor's Degree 112 Bachelor's Degree	None None	None None	6	6	6
NEXT 17-3011 Architectural and C NEXT 17-3012 Electrical and Elect	ivil Drafters	2,131 507	2,201 523	70 3 16 3	3.28% \$48,58 3.16% \$59,15	- +- , +- ,	\$75,210 \$92,390		110 24	7 2	<ul><li>207 Associate Degree</li><li>44 Associate Degree</li></ul>	None None	None None	5 5	5 4	5 5
NEXT 17-3013 Mechanical Drafters		1,135	1,088		4.14% \$50,78	0 \$66,020 \$62,790	\$77,280	39	51	-5	85 Associate Degree	None	None	5	4	5
NEXT 17-3019 Drafters, All Other NEXT 17-3021 Aerospace Enginee	ring and Operations Technologists and Technicians	345 n/a	331 n/a	-14 - n/a	4.06% \$45,33 n/a n/a	0 \$60,510 \$57,210 n/a n/a	\$64,110 n/a	12 n/a	16 n/a	-1 n/a	27 Associate Degree n/a Associate Degree	None None	None None	5 4	4 4	5 4
NEXT 17-3022 Civil Engineering To	echnologists and Technicians ronics Engineering Technologists and Technicians	1,068 957	1,101 996	33 3 39 4	3.09% \$48,81 4.08% \$56,56	0 \$60,310 \$59,430 0 \$72,110 \$75,350	\$67,930 \$84,150	41 50	56 44	3 4	<ul><li>100 Associate Degree</li><li>98 Associate Degree</li></ul>	None None	None None	4 4	4 5	4 5
NEXT 17-3024 Electro-Mechanical	and Mechatronics Technologists and Technicians	378	380	2 (	0.53% n/a	n/a n/a	n/a	14	20	0	34 Associate Degree	None	None	4	4	4
NEXT  17-3025 Environmental Eng NEXT  17-3026 Industrial Engineeri	ineering Technologists and Technicians ng Technologists and Technicians	405 1,282	427 1,438		5.43% \$49,41 2.17% \$49,47	0 \$53,820 \$52,000 0 \$66,310 \$61,650	\$56,710 \$76,290	16 52	22 70	2 16	<ul><li>40 Associate Degree</li><li>138 Associate Degree</li></ul>	None None	None None	4 4	4 4	4 4
•	ering Technologists and Technicians	357	351	-6 -	1.68% \$59,24 n/a \$45,82	0 \$73,150 \$67,080	\$86,650 \$55,120	14 n/o	18	-1	31 Associate Degree	None None	None None	4	5	5
NEXT 17-3029 Engineering Technology	ologists and Technicians, Except Drafters, All Other	n/a 691	n/a 757	n/a 66 9	9.55% \$54,06	0 \$69,800 \$66,570	\$83,010	11/a 28	n/a 37	7	n/a Associate Degree 72 Associate Degree	None	None	4	4	4
NEXT 17-3031 Surveying and Map ATER 19-1011 Animal Scientists	ping Technicians	717 54	770 61	53 7 7 1	7.39% \$36,55 2.96% \$48,29		\$61,720 \$65,610	31 1	55 4	5 1	<ul><li>91 High School Diploma or Equivalent</li><li>6 Bachelor's Degree</li></ul>	None None	Moderate-term on-the-job training None	5 6	4 7	5 7
ATER 19-1012 Food Scientists and ATER 19-1013 Soil and Plant Scie		572 309	625	53 9	9.27% \$59,82	0 \$95,510 \$102,440	\$119,550	9	37 20	5	51 Bachelor's Degree 28 Bachelor's Degree	None None	None None	5	7	6
ATER 19-1021 Biochemists and Bi		331	338 354	23 6	6.95% \$61,83		\$108,590 \$102,240	6	19	2	27 Doctoral or Professional Degree	None	None	6	7	7
ATER 19-1022 Microbiologists ATER 19-1023 Zoologists and Wild	Ilife Biologists	267 n/a	283 n/a	16 <i>t</i> n/a	5.99% \$64,23 n/a \$54,06	0 \$87,450 \$83,580 0 \$72,870 \$69,510	\$112,490 \$85,220	4 n/a	15 n/a	2 n/a	21 Bachelor's Degree n/a Bachelor's Degree	None None	None None	6 5	7 7	6 6
ATER 19-1029 Biological Scientists ATER 19-1031 Conservation Scien	s, All Other	2,250 402	2,366 415	116	5.16% \$60,85	0 \$69,890 \$61,910 0 \$66,530 \$60,920	\$81,600 \$82,830		129 25	12	179 Bachelor's Degree 33 Bachelor's Degree	None None	None None	6	7	7
ATER 19-1032 Foresters	แรเร	189	196	7 3	3.70% \$49,15	0 \$60,160 \$58,730	\$67,440	3	12	1	16 Bachelor's Degree	None	None	5	6	5
LATER 19-1041 Epidemiologists  LATER 19-1042 Medical Scientists,	Except Epidemiologists	110 n/a	139 n/a	29 2 n/a	. ,	0 \$67,310 \$59,670 0 \$94,560 \$81,150	\$79,770 \$123,020	2 n/a	5 n/a	3 n/a	<ul><li>10 Master's Degree</li><li>n/a Doctoral or Professional Degree</li></ul>	None None	None None	7 7	7 7	7 7
LATER 19-1099 Life Scientists, All C LATER 19-2012 Physicists	• •	n/a 112	n/a 121	n/a	n/a \$49,91	0 \$74,330 \$51,980 00 \$171,740 \$176,520	\$96,540		n/a	n/a	n/a Bachelor's Degree 8 Doctoral or Professional Degree	None None	None None	7	7	7
_ATER 19-2021 Atmospheric and S	pace Scientists	132	140	8 6	6.06% \$95,01	0 \$111,890 \$113,240	\$129,880	2	9	1	12 Bachelor's Degree	None	None	7	7	7
ATER 19-2031 Chemists ATER 19-2032 Materials Scientists		2,081 n/a	2,335 n/a	254 1 n/a	2.21% \$65,22 n/a n/a	0 \$99,370 \$88,260 n/a n/a	\$124,180 n/a		116 n/a	25 n/a	175 Bachelor's Degree n/a Bachelor's Degree	None None	None None	7 7	7 7	7 7
	ntists and Specialists, Including Health	433	478	45 1	. ,	0 \$67,450 \$65,910	\$75,580 \$00,870	7	28 10		39 Bachelor's Degree	None	None	5	7	7
_ATER 19-2042 Geoscientists, Exce _ATER 19-2043 Hydrologists		157 n/a	170 n/a	n/a	n/a \$85,57	0 \$84,190 \$86,440 0 \$96,160 \$107,180	•	n/a	. •	1 n/a	<ul><li>13 Bachelor's Degree</li><li>n/a Bachelor's Degree</li></ul>	None None	None None	6	7	7
LATER 19-2099 Physical Scientists, LATER 19-3011 Economists	All Other	108 205	115 226	7 6 21 1		0 \$105,780 \$109,890 0 \$127,900 \$109,890	•	1 3	6 10	1 2	<ul><li>8 Bachelor's Degree</li><li>15 Master's Degree</li></ul>	None None	None None	6 7	7 7	7 7
ATER 19-3022 Survey Researcher		n/a	n/a 75	n/a	. ,	0 \$89,600 \$92,250 n/a n/a	\$110,290	n/a	n/a	n/a ∩	n/a Master's Degree 4 Master's Degree	None None	None Intership/residency	6	6	6
ATER 19-3032 Industrial-Organiza ATER 19-3033 Clinical and Counse	eling Psychologists	1,736	1,929	193 1	1.12% \$59,47	0 \$87,730 \$83,840	n/a \$120,330	38	48	19	105 Doctoral or Professional Degree	None	Intership/residency	6	7	6
ATER 19-3034 School Psychologis ATER 19-3039 Psychologists, All C		n/a 809	n/a 871	n/a 62 7		0 \$67,830 \$58,740 0 \$105,540 \$124,180	\$75,690 \$143,020	n/a 25	n/a 28	n/a 6	n/a Master's Degree 59 Master's Degree	None None	Intership/residency Intership/residency	6 6	7 7	6 6
ATER 19-3041 Sociologists ATER 19-3051 Urban and Regiona		n/a 403	n/a 425	n/a	n/a n/a	n/a n/a 0 \$76,030 \$74,240	n/a \$87,740			n/a 2	n/a Master's Degree 34 Master's Degree	None None	None None	6	7 6	6 6
ATER 19-3091 Anthropologists and		<del>4</del> 03 50	54	4 8	3.00% \$55,21	0 \$71,640 \$64,890	\$89,810	1	3	0	4 Master's Degree	None	None	6	7	6
ATER 19-3092 Geographers ATER 19-3094 Political Scientists		35 n/a	38 n/a	3 8 n/a	3.57% \$76,00 n/a n/a	0 \$89,100 \$92,780 n/a n/a	\$105,060 n/a	1 n/a	2 n/a	0 n/a	<ul><li>3 Bachelor's Degree</li><li>n/a Master's Degree</li></ul>	None None	None None	6 6	6 7	6 7
ATER 19-3099 Social Scientists an NEXT 19-4012 Agricultural Technic	•	320 490	335 526		. ,	0 \$74,470 \$70,100 0 \$55,980 \$51,960		6 13	20 54	2 4	28 Bachelor's Degree 71 Associate Degree	None None	None Moderate-term on-the-job training	6 4	6 4	6 ⊿
NEXT 19-4013 Food Science Tech	nicians	833	934		2.12% \$46,10	0 \$56,910 \$55,530	\$63,120	23	95 95	10	128 Associate Degree	None	Moderate-term on-the-job training	4	4	4
ATER 19-4021 Biological Technicia NEXT 19-4031 Chemical Technicia		687 545	760 589		0.63% \$43,68 3.07% \$45,24	0 \$53,310 \$47,100 0 \$57,160 \$50,230	\$58,000 \$61,930	23 12	65 53		<ul><li>95 Bachelor's Degree</li><li>69 Associate Degree</li></ul>	None None	None Moderate-term on-the-job training	4 4	4 5	4 4
NEXT 19-4042 Environmental Scie	nce and Protection Technicians, Including Health	354	392	38 1	. ,	0 \$51,640 \$46,260	\$61,660	7	31		42 Associate Degree	None	None Moderate-term on-the-job training	5	5 5	4
NEXT 19-4044 Hydrologic Technic		11/a 74	n/a 84	n/a 10 1	n/a n/a 3.51% \$40,93	- +- , +,	n/a \$82,910	11/a 1	7	11/a 1	n/a Associate Degree 9 Associate Degree	None None	Moderate-term on-the-job training	4	4	4
NEXT 19-4051 Nuclear Technician ATER 19-4061 Social Science Res		157 333	160 355	3 22 6	1.91% \$76,34 6.61% \$37,22	0 \$89,090 \$78,490 0 \$53,540 \$51,420	\$101,950 \$62,430	3 10	13 32	0 2	<ul><li>16 Associate Degree</li><li>44 Bachelor's Degree</li></ul>	None None	Moderate-term on-the-job training None	4 5	4 5	4 5
NEXT 19-4071 Forest and Conserv	vation Technicians	191 280	202	11 5	5.76% \$46,70	0 \$56,250 \$54,480	\$66,070	6	18	1	25 Associate Degree	None	None	5	5	5
	Social Science Technicians, All Other	2,038	309 2,106	68 3	3.34% \$45,66	0 \$63,640 \$63,270 0 \$56,190 \$51,730	\$77,090 \$63,960	59	27 192	3 7	<ul><li>38 Bachelor's Degree</li><li>258 Associate Degree</li></ul>	None None	Moderate-term on-the-job training None	5 4	ე 4	ა 4
ATER 25-1021 Computer Science ATER 25-1022 Mathematical Scien	·	599 724	625 744		4.34% \$66,04 2.76% \$61,83	0 \$99,380 \$86,910 0 \$90,030 \$78,970	\$128,370 \$105,030	27 32	21 25	3 2	<ul><li>51 Doctoral or Professional Degree</li><li>59 Doctoral or Professional Degree</li></ul>	None None	None None	5 7	7 7	6 7
ATER 25-1031 Architecture Teache	ers, Postsecondary	n/a	n/a	n/a	n/a n/a	n/a n/a	n/a		n/a	n/a	n/a Doctoral or Professional Degree	None	None	7	7	7
ATER 25-1032 Engineering Teach ATER 25-1041 Agricultural Science	•	406 173	444 179		7,	0 \$105,290 \$103,750 0 \$78,520 \$72,450	\$129,840 \$99,650	19 8	6	4 1	<ul><li>37 Doctoral or Professional Degree</li><li>15 Doctoral or Professional Degree</li></ul>	None None	None None	<i>(</i> 5	<i>1</i> 7	/ 6
ATER 25-1042 Biological Science		1,135	1,231 n/a	96 8	. ,	0 \$102,960 \$83,080 n/a n/a	\$126,350	52 n/a	40 n/a	10 n/a	102 Doctoral or Professional Degree n/a Doctoral or Professional Degree	None None	None None	6 6	7 7	6 6
ATER 25-1051 Atmospheric, Earth	, Marine, and Space Sciences Teachers, Postsecondary	n/a 101	105	n/a 4 3	. ,	n/a n/a 0 \$100,150 \$94,760	n/a \$132,930	11/a 4	n/a 4	11/a 0	8 Doctoral or Professional Degree	None	None	7	7	7
ATER 25-1052 Chemistry Teachers ATER 25-1053 Environmental Scie	·	436 66	452 68	16 3 2	. ,	0 \$103,220 \$83,760 0 \$87,810 \$79,710	\$116,620 \$100,230	20 3	15 2	2	<ul><li>37 Doctoral or Professional Degree</li><li>5 Doctoral or Professional Degree</li></ul>	None None	None None	7 5	7 7	7 6
ATER 25-1054 Physics Teachers,	Postsecondary	198	206	8	4.04% \$71,01	0 \$97,180 \$84,800	\$110,390	9	7	1	17 Doctoral or Professional Degree	None	None	7 -	7 7	7
. 0,	Archeology Teachers, Postsecondary cultural Studies Teachers, Postsecondary	81 106	84 111	3 3 5 4		0 \$111,490 \$92,100 0 \$79,980 \$73,190	\$131,630 \$98,430	4 5	3 4	0 0	<ul><li>7 Doctoral or Professional Degree</li><li>9 Doctoral or Professional Degree</li></ul>	None None	None None	7 5	7 7	6 6
ATER 25-1063 Economics Teacher	rs, Postsecondary	155	162	7 4	4.52% \$84,83	0 \$160,530 \$116,720	\$181,540	7	5	1	13 Doctoral or Professional Degree	None	None	7	7	7
LATER 25-1064 Geography Teache LATER 25-1065 Political Science Te	achers, Postsecondary	49 314	51 326	12 3	3.82% \$65,44	0 \$85,670 \$79,270 0 \$103,740 \$84,950	\$100,910 \$129,050	∠ 14	11	1	<ul><li>4 Doctoral or Professional Degree</li><li>26 Doctoral or Professional Degree</li></ul>	None None	None None	o 4	<i>i</i> 7	6
LATER 25-1066 Psychology Teachers LATER 25-1067 Sociology Teachers	•	625 123	657 125	32 5	5.12% \$62,05 1.63% \$61,49	0 \$87,370 \$79,180 0 \$91,980 \$81,590	\$102,560 \$107,050	28 6	22 4	3 0	<ul><li>53 Doctoral or Professional Degree</li><li>10 Doctoral or Professional Degree</li></ul>	None None	None None	7 7	7 7	6 6
_ATER 25-1069 Social Sciences Tea	achers, Postsecondary, All Other	587	608	21 3	3.58% \$61,00	0 \$89,550 \$78,560	\$99,530	26	20	2	48 Doctoral or Professional Degree	None	None	7	7	6
	ves, Wholesale and Manufacturing, Technical and Scientific Products	5,290 547	5,259 559	-31 -		0 \$93,980 \$82,260 0 \$100,200 \$96,890	\$125,090 \$128,050		288		<ul><li>461 Bachelor's Degree</li><li>51 Bachelor's Degree</li></ul>	None None	Moderate-term on-the-job training Moderate-term on-the-job training	4	4	4

B LATER 41-9031 Sales Engineers

Please see Notes tab for further explanation of data.

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# STEM-Related Occupations STEM-Related Occupations

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	Occupation	2022	2032	2022	-2032		2023	Wages			Annual C	Openings		Educat	ion, Experience, and	Training		Workplace Documents		су
N_N_L SOC Code	Title	Estimated Employment	Projected Employmen	Net Change	Percent Change	Entry	Mean	Median	Experienc ed	Exits	Transfers	Growth	Total	Typical Education Required	Typical Experience Required	Typical Job Training	Median	Median	Mediar	an
	Medical and Health Services Managers	9,953	13,054	3,101	31.16%				\$130,540		476	310		Bachelor's Degree	less than 5 years		4	4	4	
	Health Specialties Teachers, Postsecondary	5,495	6,548	1,053		+ ,	, , , , , , ,	, , , , , , , , , , , , , , , , , , , ,	\$166,940		203	105		Doctoral or Professional Degree	less than 5 years		6	7	6	
LATER 25-1072 LATER 29-1011	2 Nursing Instructors and Teachers, Postsecondary	1,293 1,155	1,537 1,243	244 88		\$59,910 \$40.840	+ ,	,	\$87,520 \$70,870	62 36	48 o	24		Doctoral or Professional Degree  Doctoral or Professional Degree	less than 5 years None	None None	6	/ 7	6	
	l Chiropractors I Dentists, General	1,155 2,421	1,243 2,458	37	1.53%	ֆ40,840 n/a		ანს,გეს n/a	\$79,870 n/a	53	o 14	9		Doctoral or Professional Degree	None	None	6	<i>1</i> 7	7	
	2 Oral and Maxillofacial Surgeons	2, <del>4</del> 21 n/a	2, <del>4</del> 30 n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
ATER 29-1023	S Contract of the contract of	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
ATER 29-1029	Dentists, All Other Specialists	n/a	n/a	n/a	n/a	\$189,160	\$217,250	\$211,240	n/a	n/a	n/a	n/a		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
ATER 29-1031	Dietitians and Nutritionists	2,532	2,696	164	6.48%	\$44,270	\$58,080	\$57,720	\$73,220	94	71	16	181	Bachelor's Degree	None	Intership/residency	5	5	5	
LATER 29-1041	•	814	871	57	7.00%	\$80,000	. ,	. ,	\$133,560		5	6		Doctoral or Professional Degree	None	None	6	7	7	
ATER 29-1051		7,682	8,605	923		-			\$154,300		113	92		Doctoral or Professional Degree	None	None	6	7	7	
	Physician Assistants	1,562	1,934	372		. ,	. ,	. ,	\$150,450	38	48	37	123	Master's Degree	None	None	6	6	7	
ATER 29-1081	Podiatrists  Occupational Therapists	60 3,936	61 4,746	810		\$140,520 \$76.530	. ,	\$190,260 \$87,060	n/a \$99,560	1 127	0 108	0 81	1 216	Doctoral or Professional Degree Master's Degree	None None	Intership/residency None	0	/ 6	/ 5	
	3 Physical Therapists	5,888	7,091	1,203		\$76,330	, - , -	, ,	\$104,450		100	120		Doctoral or Professional Degree	None	None	4	6	5	
	1 Radiation Therapists	620	657	37		+ ,	\$85,630	. ,	. ,	15	11	4		Associate Degree	None	None	4	6	5	
	5 Recreational Therapists	355	383	28	7.89%	\$41,310	. ,	. ,	. ,	15	12	3		Bachelor's Degree	None	None	4	6	4	
NEXT 29-1126	Respiratory Therapists	3,110	3,738	628	20.19%	\$62,460	\$70,450	\$67,780	\$79,210	105	63	63	231	Associate Degree	None	None	5	6	5	
ATER 29-1127	7 Speech-Language Pathologists	4,032	5,103	1,071	26.56%	\$60,750	\$80,730	\$80,270	\$97,450	124	117	107	348	Master's Degree	None	Intership/residency	4	6	5	
	B Exercise Physiologists	182	205	23	12.64%	\$50,660	, ,		\$59,370	6	5	2	13	Bachelor's Degree	None	None	4	6	5	
	Therapists, All Other	721	805	84	11.65%	\$44,000	+ ,	, ,	\$69,110	25	20	8		Bachelor's Degree	None	None	4	6	5	
ATER 29-1131		2,163	2,715	552	25.52%	\$78,250	. ,	\$99,380	. ,		24	55		Doctoral or Professional Degree	None	None	6	7	7	
	Registered Nurses	76,963	84,578	7,615		. ,	. ,	\$77,190	. ,	2,682	1,661 19	762	,	Bachelor's Degree	None	None	5	5	4	
	Nurse Anesthetists Nurse Midwives	881 82	1,036	155 7		. ,	. ,	) \$215,670 ) \$124.840	n/a \$133,310	18	19	16		Master's Degree Master's Degree	None None	None None	5	5 5	4	
	Nurse Practitioners	7,517	10,669	3,152		-			\$128,690		202	315		Master's Degree	None	None	6	5	4	
ATER 29-1181		288	311	23		. ,	. ,	. ,	\$120,450		5	2		Doctoral or Professional Degree	None	None	5	5	5	
	1 Anesthesiologists	129	128	-1				\$225,280			1	0		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
ATER 29-1212	2 Cardiologists	274	299	25	9.12%	n/a	n/a	n/a	n/a	6	2	2	10	Doctoral or Professional Degree	None	Intership/residency	6	7	7	
ATER 29-1213	B Dermatologists	49	48	-1	-2.04%	n/a	n/a	n/a	n/a	1	0	0	1	Doctoral or Professional Degree	None	Intership/residency	6	7	7	
	Figure 1 Emergency Medicine Physicians	486	489	3	0.62%	. ,	\$249,280	. ,	n/a	10	3	0		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
	5 Family Medicine Physicians	3,737	3,780	43	1.15%	. ,	. ,	\$217,890		77	22	4		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
	General Internal Medicine Physicians	n/a	n/a	n/a	n/a	. ,	. ,	\$228,030		n/a	n/a	n/a		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
ATER 29-1217	Neurologists  3 Obstetricians and Gynecologists	n/a 40	n/a 50	n/a 1	n/a 2.04%	\$226,200	\$249,210 \$323,810		n/a n/a	n/a 1	n/a o	n/a 0	n/a 1	Doctoral or Professional Degree  Doctoral or Professional Degree	None None	Intership/residency Intership/residency	6	/ 7	7	
	Pediatricians, General	168	168	0		,	. ,		\$228,710	3	1	0	4	Doctoral or Professional Degree	None	Intership/residency	6	7 7	7	
	2 Physicians, Pathologists	n/a	n/a	n/a		. ,	. ,	\$226,990	. ,	n/a	n/a	n/a		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
ATER 29-1223	,	483	528	45			\$299,560		n/a	10	3	4		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
ATER 29-1224	1 Radiologists	834	878	44	5.28%	n/a	\$363,870	) n/a	n/a	18	5	4	27	Doctoral or Professional Degree	None	Intership/residency	6	7	7	
_ATER 29-1229	Physicians, All Other	4,377	4,612	235	5.37%	\$210,730	\$300,040	) n/a	n/a	92	27	24	143	Doctoral or Professional Degree		Intership/residency	6	7	7	
	Ophthalmologists, Except Pediatric	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
	2 Orthopedic Surgeons, Except Pediatric	n/a	n/a	n/a	n/a	\$198,690			n/a	n/a	n/a	n/a		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
	3 Pediatric Surgeons	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Doctoral or Professional Degree	None	Intership/residency	6	7	7	
	9 Surgeons, All Other	n/a	n/a	n/a	n/a	n/a \$62.540	n/a \$96.700	n/a	n/a \$135,530	n/a	n/a	n/a		Doctoral or Professional Degree	None	Intership/residency	6	/ 6	/ 5	
	I Acupuncturists 2 Dental Hygienists	n/a 3,491	n/a 3,628	n/a 137	11/a 3.92%	\$76.970	, ,	, , ,	, , , , , , , ,	n/a 153	n/a 78	n/a 1 <i>4</i>		Master's Degree Associate Degree	None None	None None	4 3	0 1	ე ⊿	
	Healthcare Diagnosing or Treating Practitioners, All Other	308	331	23	7.47%	\$69.100		. ,	\$107,520	11	6	2		Master's Degree	None	None	4	6	5	
	Cardiovascular Technologists and Technicians	688	752	64	9.30%	\$39,610		, ,	\$79,810	24	20	6		Associate Degree	None	None	5	5	5	
	2 Diagnostic Medical Sonographers	1,301	1,532	231	17.76%	\$77,180	\$85,910	\$83,490	\$96,890	39	33	23		Associate Degree	None	None	3	4	4	
NEXT 29-2033	Nuclear Medicine Technologists	412	428	16	3.88%	\$79,440	\$88,230	\$86,300	\$98,900	10	9	2	21	Associate Degree	None	None	3	4	4	
	Radiologic Technologists and Technicians	4,672	5,023	351	7.51%	\$56,900	\$66,560	\$64,450	\$76,940	148	104	35		Associate Degree	None	None	3	4	4	
	Magnetic Resonance Imaging Technologists	1,551	1,729	178	11.48%	\$73,130	ψ. σ,σσσ	, ,	, - ,	50	37	18		Associate Degree	,	None	4	4	4	
	6 Medical Dosimetrists	68	70	2			. ,	. ,	\$140,490	2	2	0		Bachelor's Degree	None	None	4	4	4	
	2 Emergency Medical Technicians	3,606	3,804	198	5.49%	\$30,190	<b>401,100</b>	. ,	\$44,940	94	162	20		Postsecondary non-degree award	None	None	3	5	4	
NEXT 29-2043	Paramedics  Dietetic Technicians	3,494 192	3,719 203	225 11	6.44% 5.73%	\$40,880 \$28,740			\$63,020 \$34,230	/3 10	90 11	22		Postsecondary non-degree award Associate Degree	less than 5 years None	None None	3	5 4	4	
	2 Pharmacy Technicians	9,741	11,011	1,270	3.73% 13.04%	\$35,410	, ,	. ,	\$44.800	406	522	1 127		High School Diploma or Equivalent	None	Moderate-term on-the-job training	4	4	3 ⊿	
	B Psychiatric Technicians	3,711	4,107	396	10.67%	, ,	. ,	. ,	\$39,000	152	166	40		Postsecondary non-degree award	less than 5 years	Short-term on-the-job training	3	4	4	
	5 Surgical Technologists	2,028	2,211	183		\$49,810	. ,	. ,	\$64,470	64	62	18		Postsecondary non-degree award	None	None	3	5	4	
	6 Veterinary Technologists and Technicians	2,078	2,638	560		\$31,870	. ,	\$38,040	, ,	81	132	56		Associate Degree	None	None	3	4	3	
	7 Ophthalmic Medical Technicians	719	806	87		\$31,120	, ,	. ,	\$41,420	39	42	9	90	Postsecondary non-degree award	None	None	3	4	4	
	Licensed Practical and Licensed Vocational Nurses	13,005	13,748	743		\$49,290	+ ,	. ,	\$60,790	542	470	74	-	Postsecondary non-degree award	None	None	4	4	4	
	2 Medical Records Specialists	3,306	3,619	313		\$40,750	+,	. ,	\$62,360	130	98	31		Postsecondary non-degree award	None	None	3	4	4	
	Opticians, Dispensing	1,411	1,509	98	0.00.0	\$31,910	+00,0.0	. ,	. ,	60	61	10		High School Diploma or Equivalent	None	Long-term on-the-job training	3	4	4	
	Orthotists and Prosthetists	334	354 271	20 60		\$41,240	+,	, , -	\$105,210	12	11	2		Master's Degree	None	Intership/residency	3	4	4	
	Properties 2 Hearing Aid Specialists  Health Technologists and Technicians, All Other	311 4,360	371 4,721	60 361	19.29% 8.28%	\$47,380 \$36,080	, ,		\$67,750 \$48,740	12 161	10 140	36 0		High School Diploma or Equivalent Postsecondary non-degree award	None None	Moderate-term on-the-job training None	4	4 1	4	
	Health I echnologists and Technicians, All Other  Health Information Technologists and Medical Registrars	4,360 1,462	4,721 1,749	361 287		\$36,080				161 53	140 44	20 30		Associate Degree	None None	None	2	4 1	4 1	
	Athletic Trainers	406	483	77		+,	\$50,350 \$55,480	. ,	. ,	15	12	29 8		Master's Degree	None	None	3	4	4	
	2 Genetic Counselors	75	93	18		\$74,250	. ,	. ,		3	2	2		Master's Degree	None	None	5	5	4	
	3 Surgical Assistants	486	515	29		\$38,700	, , -	\$44,790	, ,	16	14	3		Postsecondary non-degree award	None	None	4	4	4	
	Healthcare Practitioners and Technical Workers, All Other	484	529	45		\$39,470	¢72 000	¢64.760	004 400	47	4.4	4		Postsecondary non-degree award	None	None	1 4	1	4	

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# **Notes**

- 1. n/a = Data suppressed due to confidentiality or lack of statistically significant data.
- 2. Net Employment Change (Column G) is the difference in the number of jobs between the base and projected years.
- 3. Percent employment change (Column H) indicates how fast employment is expected to increase or decrease during the projection period.
- 4. Annual Exit Openings (Column M) are an estimate of the annual number of jobs that will arise from the need to replace workers who have left the workforce entirely.
- 5. Annual Transfer Openings (Column N) are an estimate of the annual number of jobs that will arise from the need to replace workers who have transferred to a different occupation.
- 6. Annual Growth Openings (Column O) are the annual numeric change in employment.
- 7. Annual Total Openings (Column P) are the sum of exit, transfer, and growth openings.

## **Occupation Grade**

The occupation grades, or "career grades", are based on a combination of total job openings, percent growth, and the average wages of an occupation. Occupations with the letter grade "A+" have the best outlook, while occupations with the letter grade "F" have the worst outlook. Grades in each region are determined by comparing only the occupations within that region.

# STEM

Refers to Science, Technology, Engineering, and Math occupations. "Core" occupations are those that strictly use STEM skills. "Related" occupations are those that use related STEM skills.

## N\_N\_L: "Now, Next, Later"

Now: Typically requires short-term on-the-job training, little to no experience, and/or a high school diploma

Next: Typically requires non-degree certificate, associate's degree, apprenticeship, some experience, or moderate- to long-term training

Later: Typically requires a bachelor's degree or higher

### **ACT WorkKeys Assessments**

ACT WorkKeys® assessments measure foundational skills required for success in the workplace, and help measure the workplace skills that can affect job performance. Scores are provided for three different categories: Applied Math, Workplace Documents, and Graphic Literacy. Each assessment offers varying levels of difficulty. The levels build on each other, incorporating the skills assessed at the previous levels. For example, at Level 5, individuals need the skills from Levels 3,4, and 5. The minimum and median score required for each occupation is shown, if available. For more information about WorkKeys skills, please visit the following website:

 $\underline{\text{https://www.act.org/content/act/en/products-and-services/workkeys-for-employers/assessments.html}$